TYPICAL CONFIGURATIONS					
AVOX P/N	Est. Weight lbs. (Kg) Full	AVOX P/N	Est. Weight lbs. (Kg) Full	AVOX P/N	Est. Weight lbs. (Kg) Full
3552AAAAAAACXCD	4.84 (2.20)	3552BAAAAACXCD	4.18 (1.90)	3552CAAAAACXCD	3.25 (1.48)
3552AAADAACXCD	4.86 (2.21)	3552BAADAACXCD	4.20 (1.91)	3552CAADAACXCD	3.32 (1.51)
3552AAAWAACXCD	4.60 (2.09)	3552BAAWAACXCD	3.85 (1.75)	3552CAAWAACXCD	3.05 (1.38)

WARNING

IMPROPER USE OR IMPROPER MAINTENANCE OF THIS EQUIPMENT MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

THIS EQUIPMENT IS INTENDED TO BE USED ONLY FOR AVIATION APPLICATIONS AND IS TO BE USED ONLY BY, OR UNDER THE SUPERVISION OF, A PILOT OR CREW MEMBER TRAINED AND QUALIFIED IN ITS USE.

THIS EQUIPMENT IS TO BE SERVICED ONLY IN ACCORDANCE WITH THE APPLICABLE COMPONENT MAINTENANCE MANUAL AVAILABLE FROM AVOX SYSTEMS AND ONLY BY SERVICE TECHNICIANS TRAINED IN THE INHERENT HAZARDS OF HIGH-PRESSURE AVIATION OXYGEN AND KNOWLEDGEABLE IN THIS EQUIPMENT.

THE NAMES OF AUTHORIZED SERVICE CENTERS ARE AVAILABLE FROM AVOX SYSTEMS OR YOUR AUTHORIZED AVOX SYSTEMS DISTRIBUTOR. THIS EQUIPMENT SHALL BE USED ONLY WITH AVIATOR'S BREATHING OXYGEN MEETING THE REQUIREMENTS OF MIL-PRF-27210.

ZODIAC

AVOX Systems

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Oxygen and life support

Oxygen and life support

ZODIAC

AVOX Systems

ISO 9001:2000 / AS9100 A:2001

SAE AS9100

Portable Oxygen Cylinder Assembly (POCA)

The Portable Oxygen Cylinder Assembly (POCA) is a lightweight oxygen source for crew members and/or passengers. Each POCA is self-contained and features a manually operated regulator. The lightweight composite cylinder consists of a thin-walled, seamless aluminum alloy liner reinforced by a full over-wrapping of carbon fiber sealed in epoxy. Internal gas volume is nominally 4, 7 or 11 cu. ft., with a rated service pressure of 1850 psig (12.76 MPa). The cylinder is qualified to meet both Department of Transportation (DOT-E-10915) and Canadian Transport Commission (CTC) requirements.

AVOX Systems

Portable Oxygen Cylinder Assembly (POCA)

OUTSTANDING FEATURES

- Operating temperature: +5°F to +158°F (-15°C to +70°C)
- Storage temperature: -67°F to +185°F (-55°C to +85°C)
- Cylinders meet both DOT and CTC requirements
- A relief valve protects the low-pressure system from over-pressurization
- Fingertip-controlled on-off valve
- Pressure gauge indicates oxygen supply
- High-pressure safety relief device
- Pressure regulator
- Carrying strap
- Mask stowage bags to accommodate one to two masks available
- Up to three flow positions with a single outlet
- Indication window shows selected flow rate

ORDERING INFORMATION

355 is the basic model number. This chart illustrates the combinations that are available. To order, fill in the necessary callout codes needed to indicate the complete part number. For further information regarding cylinders, outlets, masks, etc., contact AVOX Systems.

SAMPLE PART NUMBER: **3552AAAAAACXCD**

3552* [ ] [A] [ ] [ ] [A] [ ] [ ] [X] [ ] [ ]

Basic Series

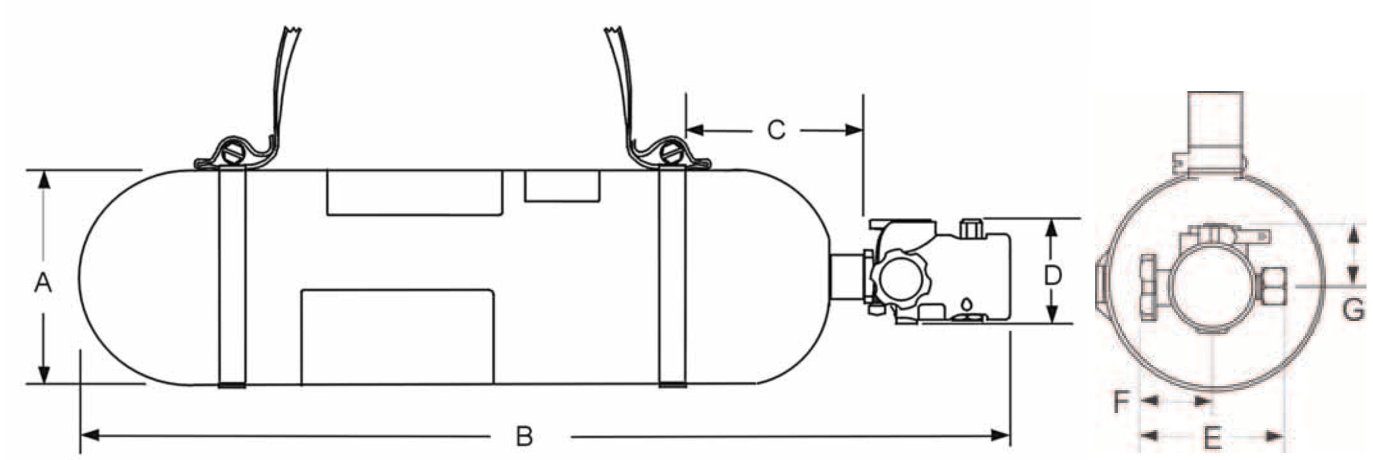
CYLINDER		CYLINDER FINISH		SLING STRAP	
Callout Code	Cylinder Capacity (cu.ft./liters)	Callout Code	Cylinder Finish	Callout Code	Sling Strap P/N
A	11.0/311	A	Green (FED STD-595)	A	10014024
B	7.15/202			X	NONE
C	4.25/120				

STOWAGE BAG				
Callout Code	Stowage Bag & Mask Assembly	Description	Bag & Tube Length	Mates w/ Outlet P/N
A	806477-01	Small Bag	54 in	806483-01 806461-02
B	806477-02	Small Bag	54 in	806468-01 806465-01
C	806477-03	Small Bag	54 in	806480-01 806466-01
D	806477-04	Small Bag	69 in	806483-01 806461-02
W	806478-02	Large Bag	N/A	N/A
X	806478-01	Small Bag	N/A	N/A
Y	NONE	N/A	N/A	N/A

* Dedicated for use on Airbus. For other aircraft applications, please contact AVOX Systems.

CYLINDER SPECIFICATIONS

Callout Code (Refer to chart on opposite page)	Cylinder Capacity cu. ft. (liters)	Charged Weight (cylinder only) lbs. (Kg)	NOMINAL DIMENSIONS in. (mm)						
			A	B	C	D	E	F	G
A	11.0 (311.5)	3.10 (1.41)	3.56 (90.4)	22.15 (562.6)	4.0 (101.6)	2.74 (69.5)	3.21 (81.5)	1.61 (40.9)	1.63 (41.5)
B	7.15 (202.5)	2.40 (1.09)	3.56 (90.4)	16.68 (423.7)	2.0 (50.8)	2.74 (69.5)	3.21 (81.5)	1.61 (40.9)	1.63 (41.5)
C	4.25 (120.4)	1.56 (0.71)	3.56 (90.4)	12.56 (319.0)	2.0 (50.8)	2.74 (69.5)	3.21 (81.5)	1.61 (40.9)	1.63 (41.5)



REGULATOR ASSEMBLY		FLOW SETTINGS (LPM)					
Callout Code	Thread Type	Callout Code	1st Setting	Callout Code	2nd Setting	Callout Code	3rd Setting
A	3/4-16 UNF	A	2.0	C	4.0	X	0.0
		C	4.0	X	0.0		

ALTITUDE SETTING		OUTLET STYLE	
Callout Code	Feet (meters)	Callout Code	Part Number
A	0	A	806483-01 (AN)
B	10,000 (3,048)	B	806468-01 (ARO)
C	15,000 (4,572)	C	806480-01 (PURITAN)
D	20,000 (6,096)	D	806461-02 (90° AN)
F	23,000 (7,010)	E	806465-01 (90° ARO)
G	25,000 (7,620)	F	806466-01 (90° PURITAN)

The POCA can be made available with additional cylinder sizes, regulator outlet configurations and oxygen-flow selections to meet specific aircraft requirements.